Coolant Conductivity and Resin Exchange

- High conductivity if slightly higher than normal can be corrected between stores. Silence iFix alarm
- Current upper limit: 4 µS/cm
- Conductivity probe: maximum reading 16 µS/cm, everything above is out of range
- Resin exchange if conductivity is above limit: coordinate with Silicon Main Pager Carrier, not during data-taking
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Coordinate with the Silicon SPLs

Valve numbers are the same for both systems. The prefix of the valve number is either ISL or SVX . Do this in the order below.

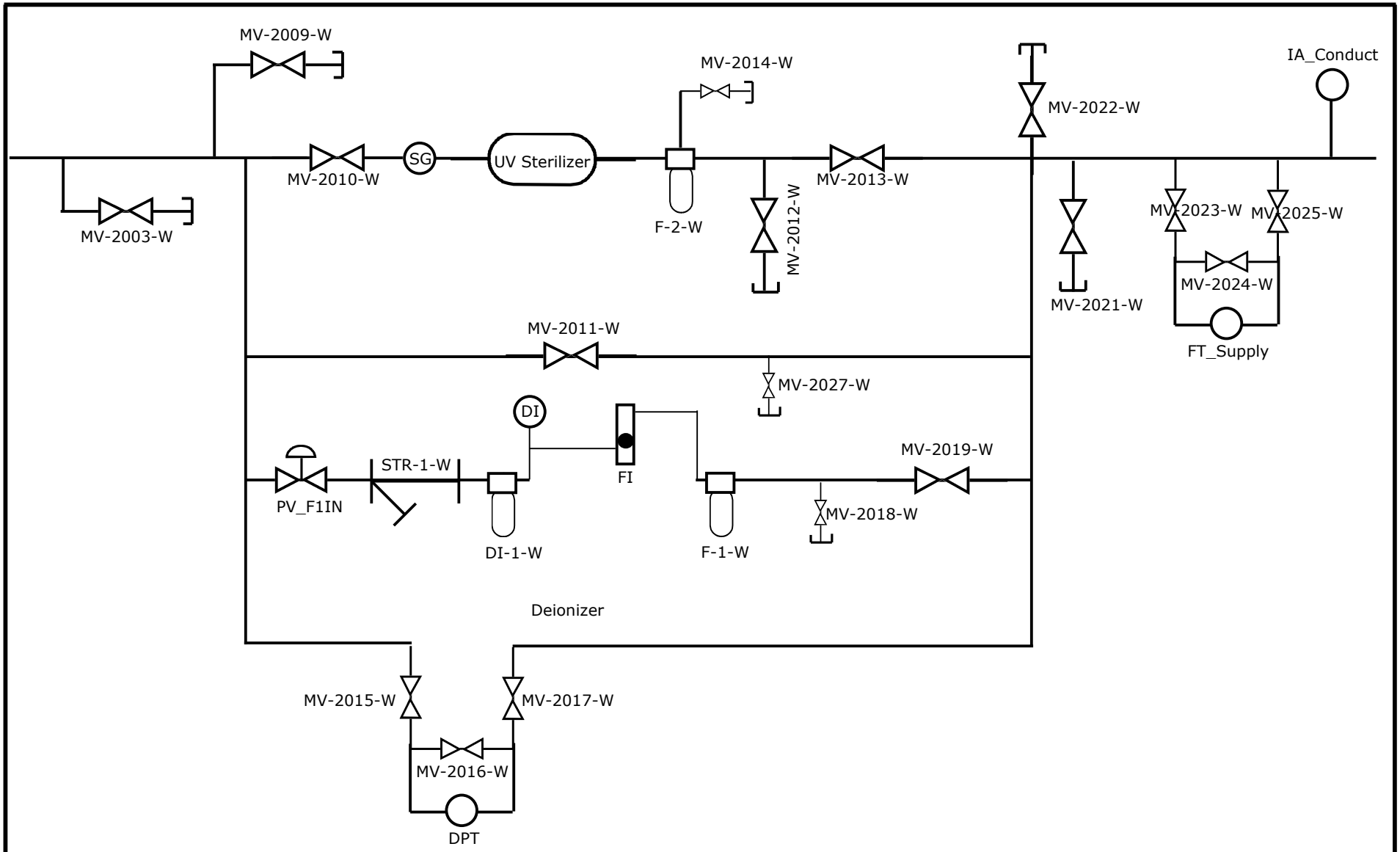
___1. Close the air supply (marked with a 'caution tag') to PV_FIIN, and wait for pressure to bleed off and the valve to close.
___2. Close the downstream isolation valve MV-2019-W to isolate filter assembly.
___3. If MV-2013-W is being throttled leave it in that position.Do not adjust without permission from the SPLs.
___4. Remove insulation jacket from resin housing using the Velcro strip.
___5. Unscrew the housing with a strap wrench or spanner wrench.
___6. Remove the resin cartridge and drain the coolant into a bucket for reuse.
___7. Install a new cartridge and refill housing with the appropriate coolant (30% Ethylene Glycol in water for SVX, distilled water for ISL).
___8. Reinstall the housing
___9. Open the air valve for PV_FIIN and check for leaks.
___10. Open MV-2018-W and MV-2209-W to establish a flow path back to the air separator and monitor the flow meter watching for air bubbles.
___11. When air has been removed Close MV-2018-W and MV-2209-W.
___12. Slowly open MV-2019-W observe the flow meter and tap it to be sure the float is not stuck. **Make sure there is flow**.
___13. Re-insulate and clean-up area.
___14. Monitor conductivity readings over the next few hours to be sure it is dropping.

Coordinate with the Silicon SPLs

Date/Time _____

Name _____

Signed _____



Title: **ISL Filter Piping**	
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